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(54) Title: METHOD FOR REALIZING MULTI-PICTURE
(54) 发明名称: 一种实现多画面的方法
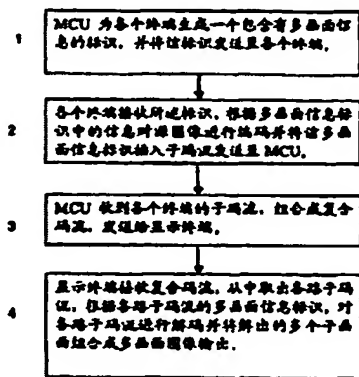
1 MCU GENERATES AN INDICATOR INCLUDING MULTI-PICTURE INFORMATION FOR EACH OF THE TERMINALS
2 EACH OF THE TERMINALS RECEIVES SAID INDICATOR, AND ENCODES IMAGES FROM RESPECTIVE RESOURCES ACCORDING TO THE INFORMATION IN THE MULTI-PICTURE INFORMATION INDICATOR, AND INSERTS THE MULTI-PICTURE INFORMATION INDICATOR INTO THE RESULTED SUB-BITSTREAM, AND SENDS THE SUB-BITSTREAM TO THE MCU
3 MCU RECEIVES THE SUB-BITSTREAMS FROM RESPECTIVE TERMINALS, AND COMBINES THE SUB-BITSTREAMS INTO A COMPOSITE BITSTREAM, AND SENDS IT TO THE DISPLAY TERMINAL
4 THE DISPLAY TERMINAL RECEIVES THE COMPOSITE BITSTREAM, AND EXTRACTS THE RESPECTIVE SUB-BITSTREAMS THEREFROM, AND DECODES THE RESPECTIVE SUB-BITSTREAMS ACCODING TO THE MULTI-PICTURE INFORMATION INDICATOR OF THE RESPECTIVE SUB-BITSTREAMS, AND COMBINES THE DECODED SUB-PICTURE INTO A MULTI-PICTURE OUTPUT

(57) Abstract: The present invention provides a method for realizing multi-picture, and comprises the following steps: a, MCU (Multipoint Control Unit) generates an indicator including multi-picture information for each of the terminals; b, each of the terminals receives said indicator, and encodes images from respective resources according to the information in the multi-picture information indicator, and inserts the multi-picture information indicator into the resulted sub-bitstream, and sends the sub-bitstream to the MCU; c, the MCU receives the sub-bitstreams from respective terminals, and combines the sub-bitstreams into, a composite bitstream, and sends it to, a display terminal; d, the display terminal receives the composite bitstream, and extracts the respective sub-bitstreams therefrom, and decodes the respective sub-bitstreams according to the multi-picture information indicator of the respective sub-bitstreams, and combines the decoded sub-pictures into a multi-picture output. The present invention reduces the cost, and extends the capability of multi-picture transmission and combination, therefore realizes transmission and combination of several sub-pictures

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